

TRANSMISSION ELECTRON MICROSCOPE

ABSTRACT

A transmission electron microscope capable of obtaining a high-resolution, wide field-of-view TEM image corresponding to the spatial resolution of the existing transmission electron microscope is accomplished using CCD TV cameras. The microscope includes four CCD cameras, for example, having their fiber tubes tilted. The first fiber tube is tilted from a point A toward a point B. The second fiber tube is tilted from the point A toward a point E. The third fiber tube is tilted from the point A toward a point D. The fourth fiber tube is tilted from the point A toward a point C. CCD mounts are prevented from interfering with each other by tilting the fiber tubes in this way.